

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY USSR (Leningrad Oblast, Moscow Oblast)

REPORT NO.

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SUBJECT Soviet Work on Vacuum Tubes and Television Transmitting

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25X1

25X1 2.

25X1

25X1

25X1

Soviet tubes

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there are no tubes in the USSR better than the tubes they copied. Out of 100 tubes manufactured 10 percent of the production is good, 20 percent fair, and the balance just below average with a very high percentage of rejects contained in this lot. The Soviets say that copying a tube is considered to be a "development" for them.

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(Note: Washington Distribution Indicated By "X". Field Distribution By "H".)

SECRET

-2-

25X1

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3. [REDACTED]

4. [REDACTED]

5. [REDACTED]

6. [REDACTED]

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The Soviets do not have film transmitters without the use of cameras.
The Soviets do not have flying spot scanners.

7. [REDACTED] 25X1

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[REDACTED] For video 5 kw is
the radiated power of the Moscow and Leningrad television stations, with
perhaps 1 kw for the radiated power of the sound transmitter. "Butterfly"
type of television transmitting antennas are used in Moscow; there are
perhaps three or four vertically placed one above the other. [REDACTED]

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[REDACTED]
the pattern may be round or cardiac in shape. A distance of from 20 to
40 km is anticipated.

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8. [REDACTED] television relay within cities.

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9. [REDACTED]

10. [REDACTED]

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In technical fields the television equipment is very important but of course
second to military matters. For instance, when tubes are allocated, the
military receive them first and pick the best out of the lot. Then television
laboratories come second and the balance is for public consumption. Radio
is not considered important at all because the people can listen to other
countries too easily.

International telecasting has not been attempted to date, but perhaps it has
been considered as an instrument of propaganda.

11. [REDACTED] 25X1

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